

EJ

Elchin Jabbarli

Data Analyst & BI Developer

CONTACT

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EU Work Permit • No Sponsorship
Required

SKILLS

Data Analysis

Python (NumPy, Pandas, Scikit-learn), SQL, ETL, EDA

BI & Visualization

Power BI (DAX, Power Query), Tableau, Looker, Matplotlib, Seaborn, Azure Maps

Machine Learning

K-Means, Random Forest, XGBoost, SVM, Logistic Regression, TSP

Programming

Python, SQL, VBA (Excel Macros), Git, Flask

Domain

Route Optimization, Sales Analytics, Customer Segmentation, SLA Tracking

LANGUAGES

Azerbaijani	Native
Turkish	Native
English	Fluent
Polish	Basic

CERTIFICATIONS

Google Data Analytics Professional Cert., 2022
[\[Link\]](#)

Data Analyst with Python, DataCamp, 2022
[\[Link\]](#)

Data Analyst in SQL, DataCamp, 2022 [\[Link\]](#)

SQL (Intermediate), HackerRank, 2022 [\[Link\]](#)

SQL (Basic), HackerRank, 2022 [\[Link\]](#)

Data Analytics, QSS Analytics, 2019 [\[Link\]](#)

PROFESSIONAL SUMMARY

Results-driven Data Analyst and BI Developer with **5+ years** of experience in operations analytics, route optimization, and business intelligence across FMCG and enterprise holdings. Proven expertise in translating complex geospatial and transactional data into actionable executive insights using **Python, SQL, and Power BI**. Holds an M.Sc. in Computer Science (Data Science) and strong hands-on experience in developing interactive dashboards, performing EDA, and implementing ML models for optimization and clustering.

WORK EXPERIENCE

Data Analyst (Route Optimization & BI)

Mar 2024 – Present

PepsiCo • Krakow, Poland

- Designed and optimized **1,500+ sales routes** across Turkey BU using geospatial analysis and K-Means clustering, integrating customer data into GeoVision platform for territory planning and balanced workload distribution
- Developed automated route scheduling system using **Python (Pandas, NumPy, Scikit-learn)** with TSP optimization, reducing monthly planning time by **~60%**
- Built **3+ interactive Power BI dashboards** including Customer Management Team Scorecard and DACH Retail Performance Dashboard, enabling real-time KPI monitoring and executive decision-making across Turkey and Germany markets
- Self-initiated Power BI dashboards for **DACH Germany** team, tracking visit performance and SKU availability across **10,000+** retail locations, earning recognition from senior management
- Engineered **VBA macros** automating Excel report generation, saving **~8 hours/week** of manual processing
- Mentored **2 interns and 1 full-time employee** on route design processes and reporting standards

Data Analyst

Jul 2019 – Feb 2023

Cahan Holding Group • Baku, Azerbaijan

- Performed data cleaning, preprocessing, and transformation for the **Sales and Marketing department** using **Python (NumPy, Pandas)**
- Executed **SQL queries** to retrieve and analyze large-scale datasets, generating reports that supported strategic decision-making for sales and marketing initiatives
- Conducted EDA to identify trends, patterns, and anomalies in sales and customer data, providing insights to optimize marketing campaigns and business strategies
- Developed and maintained **interactive Power BI dashboards** visualizing key performance metrics for stakeholders, enabling data-driven decision-making

KEY PROJECTS

Route Optimization Engine

Python, Scikit-learn, Flask, TSP

- Built full-stack route optimization app with Flask web server for geospatial data upload, K-Means clustering for territory segmentation, and nearest-neighbor TSP heuristic for optimal route sequencing; reduced total route distance by **~15%**
- Automated monthly route plan generation with visit frequency assignment (weekly, biweekly, monthly patterns) and day scheduling for 1,500+ customers across **5 regional clusters**

DACH Retail Performance Dashboard

Power BI, DAX, Power Query, Azure Maps

- Designed multi-page dashboard tracking Hero SKU Instore Achievement (46%), Chilled Availability (55%), and Permanent Tool Adoption (23%) KPIs across 10,000+ stores in the DACH region
- Integrated Azure Maps for store-level geospatial drill-down by route, store type, and wholesaler; built time-series and categorical visualizations for visit performance and trend analysis over rolling 12-month windows

Customer Management Team Scorecard

Power BI, DAX, Power Query

- Developed SLA performance dashboard with gauge charts and process-level bar charts tracking Opening, Update, and Closure times with MoM and YoY improvement percentages; identified **3 bottleneck processes** reducing SLA compliance
- Visualized approval workflows across 12 process categories with transaction detail drill-downs and interactive map for geographic monitoring

EDUCATION

M.Sc. Computer Science — Data Science

2023 – 2025

WSB University, Poland

Machine Learning, Data Mining, Statistical Analysis, Deep Learning

B.Sc. Econometrics

2013 – 2018

Suleyman Demirel University, Turkey

Statistical modeling, econometric analysis, quantitative methods